

ABSTRACTA PLANAR CARBON SEGMENT COMMUTATOR

- ✓ A planar carbon segment commutator comprises a commutator base 10 of insulating material. The base has a rotational axis and front and rear surfaces, extending, at least
- 5 in part, transversely to the rotational axis. A plurality of apertures 16 extend through the
- ✓ base. The commutator also comprises a plurality of commutator terminals 20 each of
- ✓ which comprises a terminal portion 21 and a contact portion 22. The contact portion 22
- of each terminal extends through a respective aperture 16 and is bent to lie against or in
- close proximity to the front surface of the base 10. The terminal portion of each terminal
- 10 has two cutting edges for cutting insulation on a connector portion of a winding and a slot
- ✓ which in use straddles and grips the connector portion. The commutator also comprises
- a plurality of carbon segments 30 formed on the front surface of the base and over the
- contact portions 22, respectively, of the terminals 20 and a housing (Figure 9) having a
- plurality of housing recesses for receiving the terminal portions 21, respectively, of the
- 15 terminal.

(Refer to Figure 5 )

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